Exhibit IV

Blast 2 Sequences results

PubMed   Entrez   BLAST   OMIM   Taxonomy   Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTP 2.2.13 [Nov-27-2005]

Matrix BLOSUM62 ▼ gap open: 11 gap extension: 1
x_dropoff: 50 expect: 10.000 wordsize: 3 Filter ☐ View option Standard ▼
Masking character option X for protein, n for nucleotide ▼ Masking color option Black ▼
☐ Show CDS translation Align

Sequence 1: gi|47117817|sp|O75376|NCOR1_HUMAN Nuclear receptor corepressor 1 (N-CoR1) (N-CoR).
Length = 357 (312 .. 668)   SEQ ID NO: 11

Sequence 2: gi|1045655|gb|AAC50236.1|silencing mediator of retinoid and thyroid hormone action
Length = 1495   H SU37146

No significant similarity was found

```
CPU time:      0.03 user secs.        0.01 sys. secs        0.04 total secs.

Lambda      K       H
   0.308    0.126    0.350

Gapped
Lambda      K       H
   0.267    0.0410    0.140


Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
Number of Sequences: 1
Number of Hits to DB: 3726
Number of extensions: 2346
Number of successful extensions: 1
Number of sequences better than 10.0: 0
Number of HSP's gapped: 1
Number of HSP's successfully gapped: 0
Length of query: 357
Length of database: 1,196,146,007
Length adjustment: 134
Effective length of query: 223
Effective length of database: 1,196,145,873
Effective search space: 266740529679
Effective search space used: 266740529679
Neighboring words threshold: 9
X1: 16 ( 7.1 bits)
X2: 129 (49.7 bits)
X3: 129 (49.7 bits)
S1: 42 (21.7 bits)
S2: 78 (34.7 bits)
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